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RELIABILITY PREDICTION

Model : T-40 Data:2000-01-18

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	24	0.003700	10	0.888000	27.143
9.1	Resistor-Film Power (RD)	2	0.010000	10	0.200000	6.113
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	2.598
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	12.227
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.428
10.1	Capacitor-Metal, Plastic (CH)	9	0.000510	10	0.045900	1.403
10.1	Capacitor-Ceramic(Gen.) (CK)	9	0.001700	10	0.153000	4.677
10.1	Capacitor-Aluminum Dry (CE)	10	0.001300	10	0.130000	3.974
6.1	Diode-Switching	3	0.000940	8	0.022560	0.690
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	11.248
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	4.108
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	0.807
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	3.423
6.11	OPTO-isolator	2	0.027000	8	0.432000	13.205
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.115
5.1	Linear Microcircuits	2	0.009500	10	0.190000	5.808
11.1	Transformer Switching	1	0.000610	3	0.001830	0.056
11.2	Coil Fixed inductor or choke	4	0.000032	3	0.000384	0.012
17.1	Single Connections-Reflow solder	146	0.000069	1	0.010074	0.308
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.007
22.1	Fuses	1	0.010000	1	0.010000	0.306
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.345
Total Failure rate:					3.271548	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 305665.70 **hrs**

Approved by: David Wang Compiled by: Kim Tseng